

after the title, insert --

## **BACKGROUND OF THE INVENTION**

### **Field of the Invention**

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The present invention relates generally to a telecommunication systems  
5 for wireless, at least partially asynchronous telecommunication networks,  
particularly DECT systems for at least partially asynchronous DECT networks.  
and

after line 3, insert --

### **Description of the Related Art--.**

10 On page 2, in line 1, before "(1)...(3)" insert --the foregoing forms--;  
in line 3, after "according to" insert --the above form--; and  
in lines 7 and 8, delete "according to the preamble of patent claim 1 and  
according to the preamble of patent claim 20." .

15 On page 3, in line 10, before "WO 95/05040" insert --published PCT  
patent application--.

On page 4, in line 17, before "timer" insert --a--;  
in line 20, before "immediately" insert --which are--;  
in line 22, before "time" insert --a--; and  
in line 23, before "burst" insert --a--.

20 On page 5, in line 9, before "keyboard" insert --a-- and before "display"  
insert --a--;  
in line 10, before "handset" insert --a--, before "microphone" insert --a--  
and after "and" insert --an--;

in line 12, before "option" insert --an--;

in line 27, before "WO 94/10764" insert --published PCT patent application--;

in line 28, change "such (gap-free)" to --(to provide gap-free--; and

in line 29, before "that" insert --such--.

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On page 6, in line 23, before "WO95/05040" insert --published PCT patent application--.

On page 7, in line 3, before "WO95/05040" insert --the international application--; and

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in line 4, before "DECT" insert --a--.

On page 8, in line 10, before "GSM" insert --a-- and before "PSTN" insert --a--.

On page 9, in line 18, before "RPP" insert --part--; and

in line 24, before "local" insert --a--.

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On page 10, in line 4, before "user" insert --a--; and

in line 5, before "typical" insert --a--.

On page 11, in line 15, change "said" to --the--.

On substitute page 15, in line 10, before "decision" insert --a--; and  
in line 31, before "asynchronous" insert --that is--.

On substitute page 16, in line 5, before "WO 97/15160" insert --Published  
PCT patent application--;  
in line 16, before "5,448,569" insert --Patent No.--;  
after line 21, insert --

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### SUMMARY OF THE INVENTION

in lines 25 and 26, delete "defined in the preamble of patent claim 1" and  
insert --for wireless, at least partially asynchronous telecommunication networks,  
particularly DECT systems for at least partially asynchronous DECT networks--;

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10 in lines 26 and 27, delete "the features recited in the characterizing part of  
patent claim 1." and insert --first base stations that are synchronous with first  
mobile parts and in whose proximity at least respectively one second base station  
that is/are respectively asynchronous relative to the first base stations is arranged,  
whereby the base stations and first mobile stations are connectible by the wireless  
transmission of messages, in that first messages having first information are at  
15 least temporarily sent at least from one part of the first base stations, whereby the  
information indicate that the first base stations are respectively surrounded by at  
least one of the second base stations.--;

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20 in lines 28 - 30, delete "Proceeding from the telecommunication systems  
defined in the preamble of patent claim 20, this object is also achieved by the  
features recited in the characterizing part of patent claim 20.".

On substitute page 17, delete "(claim 1)" and insert --as first set forth--;  
in line 2, change "in at least" to --in an at least--;  
in line 9, delete "[sic]";  
in line 13, delete "According to claim 9" and insert --In an embodiment

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25 wherein the first mobile parts - after receiving the first messages - become  
asynchronous relative to the first base stations for a predetermined time span

*a4* dependent on mobile part location-specific reception criteria in order to search for second base stations--;

in line 19, before "asynchronous" insert --an--;

in line 24, delete "according to claims 10 through 20" and insert --in an

*a7* 5 embodiment having the first mobile parts are respectively asynchronous relative to the first base stations in view of the bit, time slot and/or time frame synchronism--;

in line 25, before "WO96/33991" insert --the published PCT patent application--; and

10 in line 26, delete "in conjunction with patent claims 1 and 3".

On page 18, in line 8, before "WO96/38990" insert --published PCT patent application--;

*NG* 15 in lines 15 and 16, delete "are recited in the other subclaims." and insert -- are provided by a telecommunication systems wherein the synchronism between the first base stations and the first mobile parts exists in the idle locked mode of the first mobile parts. The synchronism between the first base stations and the first mobile parts may exist in the active locked mode of the first mobile parts. In one embodiment, the telecommunication systems are TDMA-based telecommunication systems. The first base stations are respectively asynchronous relative to the second base station or stations in view of the bit, time slot and/or time frame synchronism. One feature provides that the part of the first base stations regularly sends the first messages with the first information. The part of the first base stations may automatically send the first messages with the first information. According to the invention, the part of the first base stations is initiated by the network side to send the first messages with the first information. In particular, the first mobile parts interrupt the search for a predetermined time

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span after they have searched for the second base stations. Specifically, the first mobile parts comprise time counters for acquiring the time span. Preferably, the first base stations load the time counters of the first mobile parts with the predetermined time span as start value on the basis of the wireless transmission of the messages. The first base stations comprise memories wherein the time spans are stored. The time span can be delivered to the first base stations from the network side. In the telecommunication systems, the time span is a multiple of the time slot or time frame. The first mobile parts repeat the search procedures at regular time intervals given unsuccessful attempts to seek the second base stations. The mobile location-specific reception criteria are the downward transgression of mobile part location-specific reception field strength thresholds. The mobile part location-specific reception field strength thresholds and threshold for initiation of inter-cell handover are of the same size--;

after line 16, insert --

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**BRIEF DESCRIPTION OF THE DRAWINGS--;**

after line 18, insert --

**DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS--;**

in line 20, after "fashioned as" insert --a--.

On page 19, in line 8, change "if" to --is--.

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On page 20, in line 5, before "WO 96/38991" insert --published PCT patent application--;

in lines 5 and 6, delete "in conjunction with patent claims 1 through 3"; and

in line 26, before "WO 96/38990" insert --international application--.